

DATE OF PREP: 1/26/88

IPL # 40001

SECTION I

MANUFACTURERS NAME:

SIKKENS AEROSPACE FINISHES
DIVISION OF AKZO COATINGS AMERICA INC.
STREET ADDRESS:
20846 S. NORMANDIE AVE
TORRANCE, CA 90502

EMERGENCY TELEPHONE NO.:

(213) 320-6800

MANUFACTURERS CODE IDENTIFICATION:

C 31

TRADE NAME:

CATALYST FOR 473-13

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	C.A.S. NO.	* PCT *	* TLV *		* PEL *		* VAPOR *
			PPM	MG/M3	PPM	MG/M3	
		* BY WT *					
N-AMINOETHYL PIPERAZINE	140-31-8	* 95 *	---	5.00*	---	---	NA
N-AEP		* *	*	*	*	*	*

SECTION III - PHYSICAL DATA

BOILING RANGE:

432 - 432 DEG. F

VAPOR DENSITY VS. AIR:

HEAVIER THAN AIR

EVAPORATION RATE VS. ETHER:

SLOWER

PERCENT VOLATILE BY VOLUME:

WEIGHT PER GALLON:

8.19 LBS.

MATERIAL SAFETY DATA SHEET

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARD CATEGORY:

FLASH POINT:

LEL: 1.1

NOT REGULATED,

212F PMCC

OSHA CLASSIFICATION:

COMBUSTIBLE LIQUID - CLASS IIIB

EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS,
AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.
APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO
FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

ONE REASONABLY FORESEEABLE.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

SKIN CONTACT: WASH WITH SOAP & WATER.

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.

INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING.

CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION: NONE EXPECTED

THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT.

ACUTE:

CORROSIVE TO THE EYES, CONTACT WITH EYES MAY CAUSE BLINDNESS.

CORROSIVE TO THE SKIN. CONTACT WITH SKIN WILL CAUSE BURNS, POSSIBLE DEEP ULCERATION.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAYBE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS IV., V., VI., VIII. AND IX.
REMOVE ALL SOURCES OF IGNITION, AVOID BREATHING VAPORS, VENTILATE AREA, REMOVE
WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD:

INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF
IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS.

SECTION VIII - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION:

ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE.
SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION.
IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW GIVEN TLV AND
LEL. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE
DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED
WITH THIS PRODUCT.

PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR
OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY
PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE.
CONSULT NFPA CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE
LABEL PRECAUTIONS.

APPROVED BY RAW MATERIAL & FORMULA INFORMATION DEPARTMENT

NAME:

DATE: 9/09/87

FORMULA DATE 7/08/86

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